

http://www.maths.warwick.ac.uk/~dmargeri/movie_page.html.

The description of the slender vortex method and the validation of EZ-vortex with stability results have been written in a paper [2] which has been submitted. This gives a written report of our work that will be assessed by peer referees. It also will make our results available to anybody among the C-Wake project.

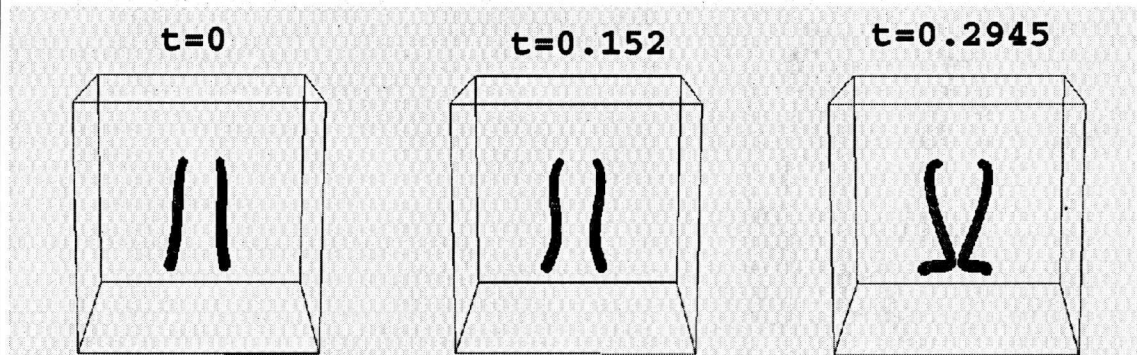


Figure 1. Vortex Filament Simulation of the non-linear instability regime of two contra-rotating vortex pair. Initial amplitude $\rho_0 = 0.05$, thickness $\varepsilon = 0.02$, wavelength $\Lambda = 10.21$, and plane angle $\theta(t = 0) = 47.63^\circ$.

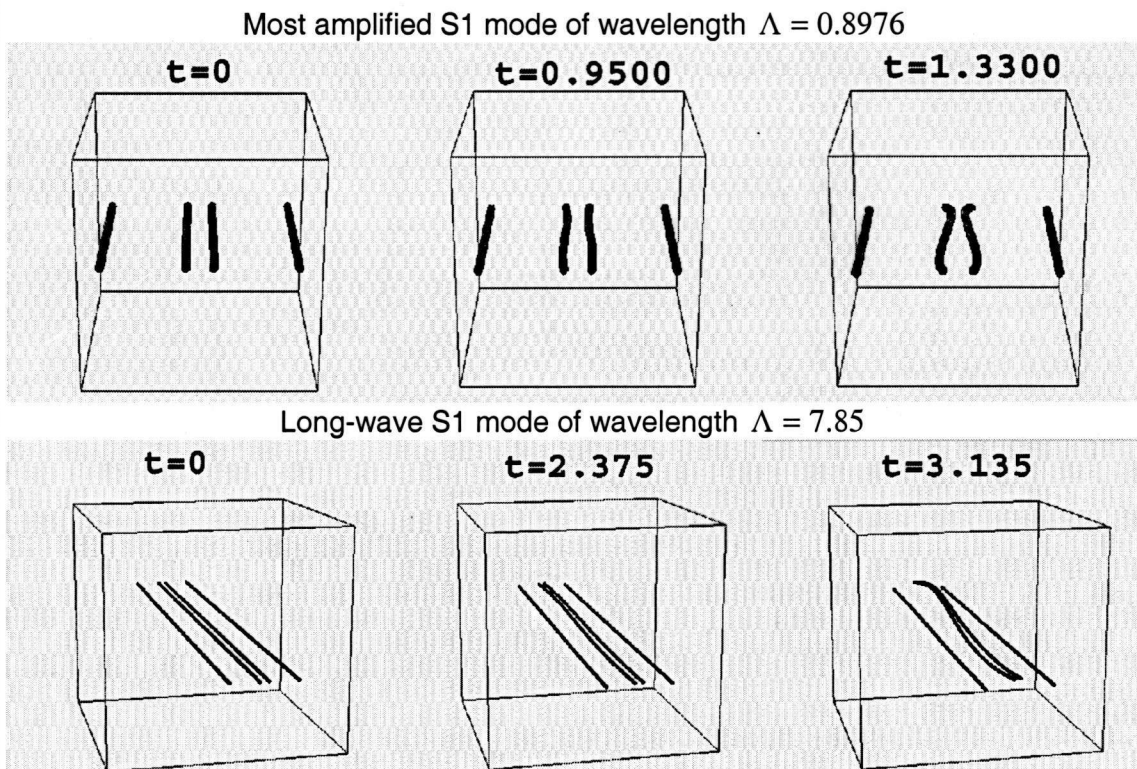
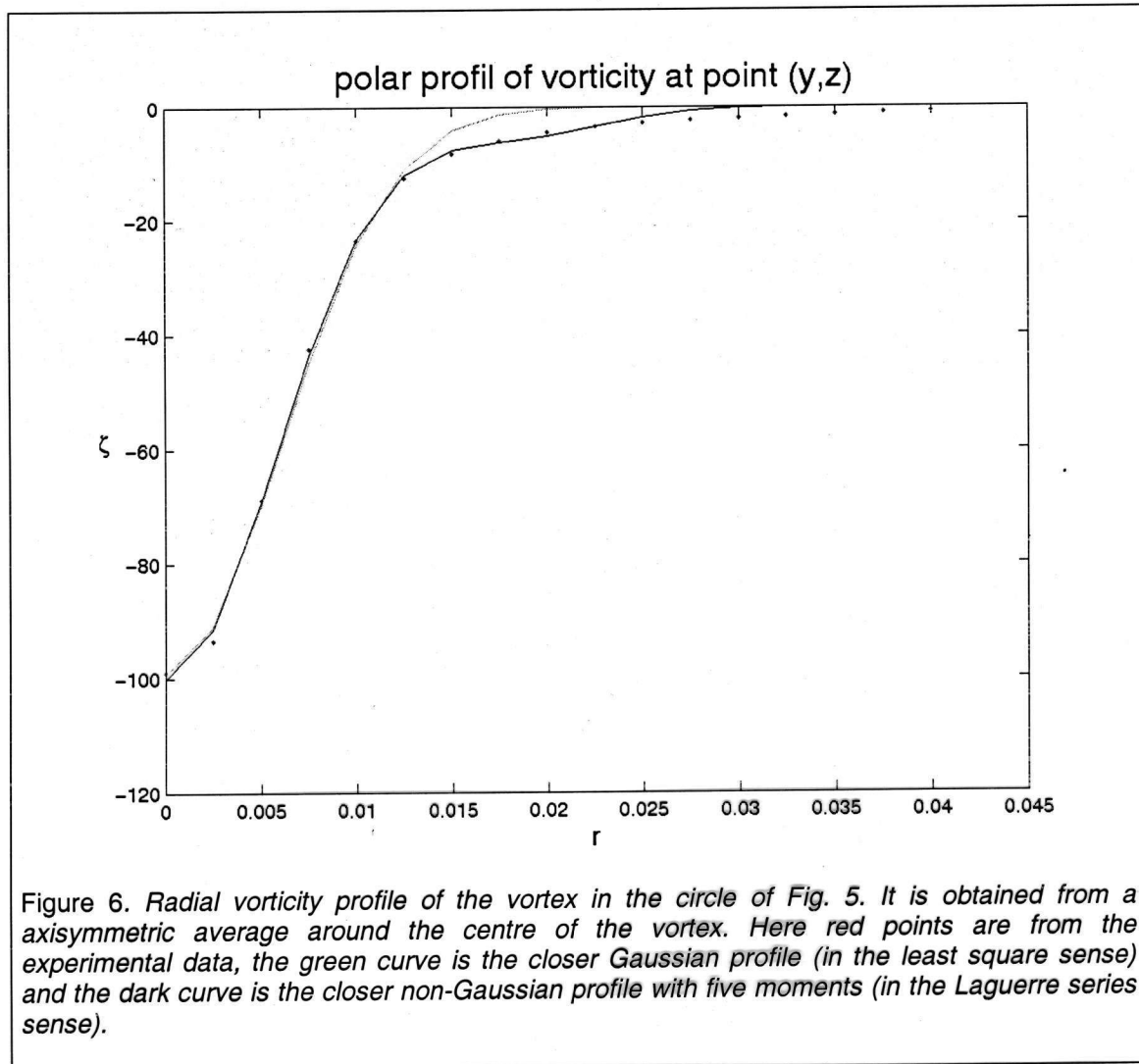


Figure 2. Vortex Filament Simulation of the non-linear instability regime of typical modes for the four-vortex wake. Initial amplitude $\rho_0 = 0.001$, and initial thickness $\varepsilon = 0.1$.



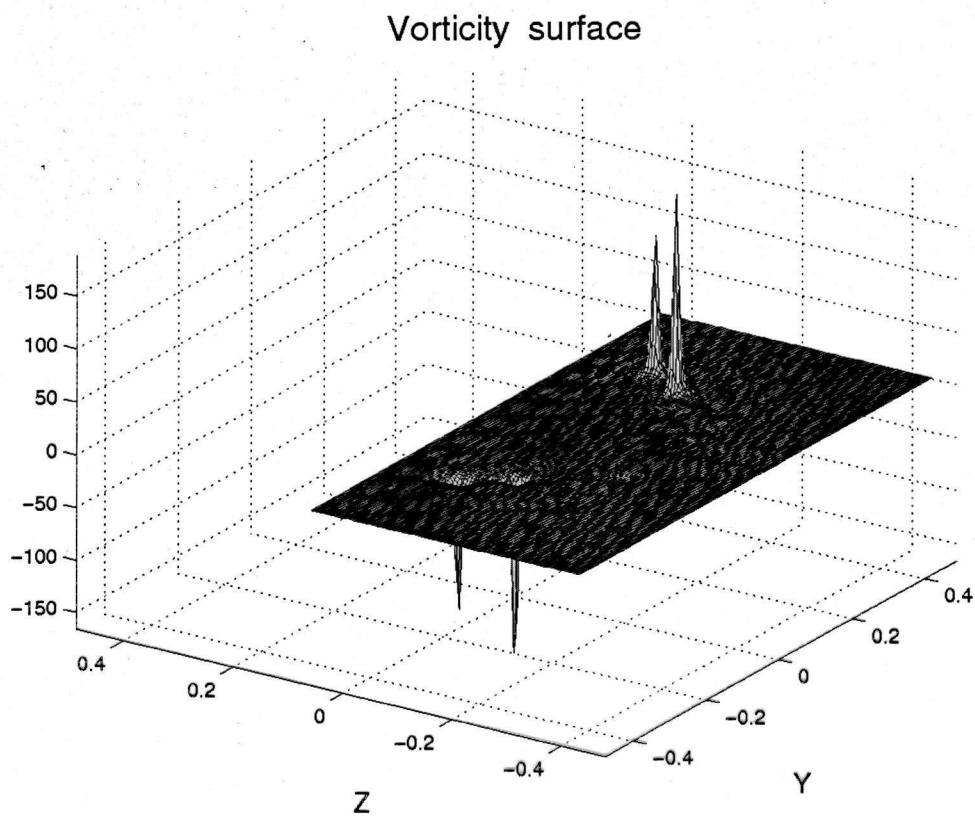


Figure 4. Vorticity surface (same data file as Fig. 3)

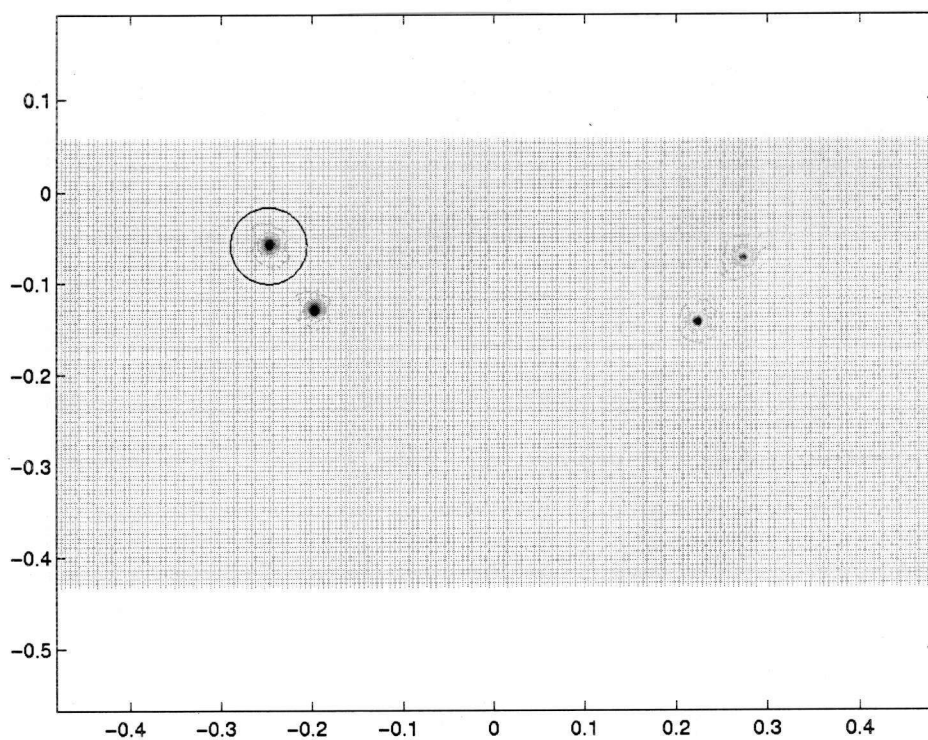


Figure 5. Contour-plot of vorticity (same data file as Fig. 3). The circle is the domain of analysis of the associated vortex.